

6. A single-use, disposable syringe device, comprising:

B1 an elongate body having a cavity therein for receiving a medicine cartridge, a distal end with an opening through which a needle may extend, and a proximal end with an opening therethrough to permit passage of the medicine cartridge axially into the cavity;

a medicine cartridge received in the cavity;

a needle extending distally from the distal end of the body;

a locking mechanism on the proximal end of the elongate body for preventing disassembly of the syringe device, the locking mechanism comprising a locking detent that contacts a rear surface of the medicine cartridge and prevents proximal movement of the medicine cartridge received in the cavity;

a protector case movable relative to the body between rearward and forward positions, and having an open distal end for uncovering and covering, respectively, the needle extending distally from the distal end of the body; and

cooperating detents on the body and protector case for substantially locking the protector case in the forward position.

B2 8. A syringe device as in claim 6, wherein the detents on the protector case are located on the proximal end of the protector case.

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11. A syringe device as in claim 6, wherein the locking mechanism comprises a plurality of locking detents that contact a rear surface of the medicine cartridge and prevent proximal movement of the medicine cartridge received in the cavity.

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14. A medical device, comprising:
a body having a cavity for receiving a medicine cartridge, a first forward end from which a needle may extend, and a second end into which the medicine cartridge may be inserted;
a protector case movable relative to the body, and having a first open end through which the needle may extend and a second end, the case and the body having cooperating detents for facilitating placement of the case with respect to the body for uncovering and covering an exposed end of the needle; and
a locking mechanism on the second end of the body, the locking mechanism comprising at least one locking detent that contacts a surface of the cartridge received in the cavity to prevent proximal movement thereof.

15. A medical device as in claim 14, further comprising a finger grip on the second end of the syringe body.

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21. A single-use, disposable medical device, comprising:

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a body having a cavity therein for receiving a medicine cartridge, a distal end with an opening through which a needle may extend, and a proximal end with an opening therethrough to permit passage of the medicine cartridge into the cavity;

a locking mechanism on the proximal end of the body comprising a pair of locking detents that contact a rear surface of the medicine cartridge and prevent proximal movement of the medicine cartridge received in the cavity;

a protector case slidable on the body between rearward and forward positions, and having an open distal end for uncovering and covering, respectively, a needle extending distally from the distal end of the body; and

cooperating detents on the body and protector case for substantially locking the protector case in the forward position.

22. A medical device as in claim 21, further comprising a finger grip on the body.

In addition, please add the following new claims 26-30:

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26. The syringe device of claim 6, further comprising a finger grip on the proximal end of the body.

27. The syringe device of claim 26, wherein the finger grip comprises a finger grip ring integrally molded to the proximal end of the body.

28. The syringe device of claim 6, wherein the locking mechanism further comprises a finger grip.

29. The syringe device of claim 6, further comprising a plunger extending from the proximal end of the body, whereby the plunger may be pushed forward to discharge medication in the medical cartridge into a patient through the needle.

30. A medical device, comprising:
a body having a cavity for receiving a medicine cartridge, a first forward end through which a needle may extend, and a second end into which the medicine cartridge may be inserted;
a protector case movable relative to the body, and having a first open end through which the needle may extend and a second end, the case and the body having cooperating detents for facilitating placement of the case with respect to the body for uncovering and covering an exposed end of the needle; and
a locking mechanism on the second end of the body, the locking mechanism comprising at least one locking detent that contacts a surface of the cartridge received in the cavity to prevent proximal movement thereof.